

SEQUENCE LISTING

<110> FASANO, Alessio

<120> PEPTIDE ANTAGONISTS OF ZONULIN AND METHODS FOR USE OF
THE SAME

<130> A7242

<140> 09/127,815

<141> 1998-08-03

<160> 40

<170> PatentIn Ver. 2.1

<210> 1

<211> 8

<212> PRT

<213> Zonulin Peptide Antagonist

<400> 1

Gly Arg Val Cys Val Gln Pro Gly

1

5

<210> 2

<211> 8

<212> PRT

<213> Zonulin Peptide Antagonist

<400> 2

Gly Arg Val Cys Val Gln Asp Gly

1

5

<210> 3

<211> 8

<212> PRT

<213> Zonulin Peptide Antagonist

<400> 3

Gly Arg Val Leu Val Gln Pro Gly

1

5

<210> 4

<211> 8

<212> PRT
<213> Zonulin Peptide Antagonist

<400> 4
Gly Arg Val Leu Val Gln Asp Gly
1 5

<210> 5
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 5
Gly Arg Leu Cys Val Gln Pro Gly
1 5

<210> 6
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 6
Gly Arg Leu Cys Val Gln Asp Gly
1 5

<210> 7
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 7
Gly Arg Leu Leu Val Gln Pro Gly
1 5

<210> 8
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 8
Gly Arg Leu Leu Val Gln Asp Gly
1 5

<210> 9
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 9
Gly Arg Gly Cys Val Gln Pro Gly
1 5

<210> 10
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 10
Gly Arg Gly Cys Val Gln Asp Gly
1 5

<210> 11
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 11
Gly Arg Gly Leu Val Gln Pro Gly
1 5

<210> 12
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 12
Gly Arg Gly Leu Val Gln Asp Gly
1 5

<210> 13
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 13
Gly Gly Val Cys Val Gln Pro Gly
1 5

<210> 14
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 14
Gly Gly Val Cys Val Gln Asp Gly
1 5

<210> 15
<211> 8
<212> PRT
<213> Synthetic Octapeptide

<400> 15
Gly Gly Val Leu Val Gln Pro Gly
1 5

<210> 16
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 16
Gly Gly Val Leu Val Gln Asp Gly
1 5

<210> 17
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 17
Gly Gly Leu Cys Val Gln Pro Gly
1 5

<210> 18
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 18

Gly Gly Leu Cys Val Gln Asp Gly
1 5

<210> 19
<211> 3
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 19
Gly Gly Leu Leu Val Gln Pro Gly
1 5

<210> 20
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 20
Gly Gly Leu Leu Val Gln Asp Gly
1 5

<210> 21
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 21
Gly Gly Gly Cys Val Gln Pro Gly
1 5

<210> 22
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 22
Gly Gly Gly Cys Val Gln Asp Gly
1 5

<210> 23
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 23
Gly Gly Gly Leu Val Gln Pro Gly
1 5

<210> 24
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 24
Gly Gly Gly Leu Val Gln Asp Gly
1 5

<210> 25
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Construct

<400> 25
tcatcacggc gcgccagg 18

<210> 26
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Construct

<400> 26
ggaggtctag aatctgcccg at 22

<210> 27
<211> 18
<212> PRT
<213> Rabbit Intestine

<400> 27

Asn Gln Arg Pro Pro Pro Ala Gly Val Thr Ala Tyr Asp Tyr Leu Val
 1 5 10 15

Ile Gln

<210> 28
 <211> 20
 <212> PRT
 <213> Human Heart

<400> 28
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu
 20

<210> 29
 <211> 9
 <212> PRT
 <213> Human Brain

<400> 29
 Val Thr Phe Tyr Thr Asp Ala Val Ser
 1 5

<210> 30
 <211> 20
 <212> PRT
 <213> Human Fetal Intestine

<220>
 <221> UNSURE
 <222> (16)
 <223> Xaa at position 16 is an amino acid

<400> 30
 Met Leu Gln Leu Ala Glu Ser Gly Gly Val Leu Val Gln Pro Gly Xaa
 1 5 10 15

Ser Asn Arg Leu
 20

<210> 31
<211> 11
<212> PRT
<213> Human Intestine

<220>
<221> UNSURE
<222> (10)
<223> Xaa at position 10 is an amino acid

<400> 31
Glu Val Gln Leu Val Glu Ser Gly Gly Xaa Leu
1 5 10

<210> 32
<211> 11
<212> PRT
<213> Human Brain

<220>
<221> UNSURE
<222> (1)..(2)
<223> Xaa at positions 1 and 2 is an amino acid

<400> 32
Xaa Xaa Asp Gly Thr Gly Leu Val Gly Asp Leu
1 5 10

<210> 33
<211> 13
<212> PRT
<213> Human Adult Heart

<400> 33
Leu Ser Glu Val Thr Ala Val Pro Ser Leu Asn Gly Gly
1 5 10

<210> 34
<211> 8
<212> PRT
<213> Synthetic Octapeptide

<400> 34
Val Gly Val Leu Gly Arg Pro Gly
1 5

<210> 35
<211> 8
<212> PRT
<213> Zonulin Peptide Antagonist

<400> 35
Val Asp Gly Phe Gly Arg Ile Gly
1 5

<210> 36
<211> 22
<212> PRT
<213> Human Fetal Brain

<220>
<221> UNSURE
<222> (1)
<223> Xaa at position 1 is an amino acid

<400> 36
Xaa Gly Lys Val Lys Val Gly Val Asn Gly Phe Gly Arg Ile Gly Arg
1 5 10 15

Ile Gly Arg Leu Val Ile
20

<210> 37
<211> 20
<212> PRT
<213> Homo sapiens

<400> 37
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu
20

<210> 38
<211> 14
<212> PRT
<213> Zonulin Occludes Toxin

<400> 38
Phe Cys Ile Gly Arg Leu Cys Val Gln Asp Gly Phe Val Thr
1 5 10

<210> 39
<211> 23
<212> DNA
<213> synthetic construct

23

<400> 39
cgggatcccg tatgagtatc ttt

<210> 40
<211> 24
<212> DNA
<213> synthetic construct

24

<400> 40
cccaagcttg ggtcaaaata tact